

TRANSMITTAL LETTER			Case No. 10225/21
Serial No. 10/053,177	Filing Date November 2, 2001	Examiner Edward M. Johnson	Group Art Unit 1754
Inventor(s) Sabacky et al.			<b>RECEIVED</b> <b>JAN 14 2004</b> <b>TC 1700</b>
Title of Invention PROCESS FOR MAKING NANO-SIZED STABILIZED ZIRCONIA			

TO THE COMMISSIONER FOR PATENTS

Transmitted herewith is a First Supplemental Information Disclosure Statement (in duplicate); Copy of International Search Report; Form PTO-1449; 5 Cited References (B1-B5); Return Postcard.

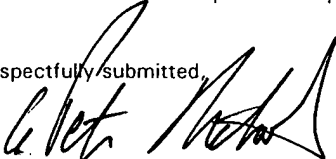
- ☐ Small entity status of this application under 37 CFR § 1.27 has been established by verified statement previously submitted.
- ☐ Applicant claims small entity status. See 37 CFR 1.27.
- ☐ Petition for a \_\_\_\_\_ month extension of time.
- ☒ No additional fee is required.
- ☐ The fee has been calculated as shown below:

	Claims Remaining After Amendment		Highest No. Previously Paid For	Present Extra
Total		Minus		
Indep.		Minus		
First Presentation of Multiple Dep. Claim				

Small Entity		or	Other Than Small Entity	
Rate	Add'l Fee		Rate	Add'l Fee
x \$9 =			x \$18 =	
x 43 =			x \$86 =	
+ \$145 =			+ \$290 =	
Total add'l fee	\$		Total add'l fee	\$

- ☐ Please charge Deposit Account No. 23-1925 (BRINKS HOFER GILSON & LIONE) in the amount of \$ \_\_\_\_\_. A duplicate copy of this sheet is enclosed.
- ☐ A check in the amount of \$ \_\_\_\_\_ to cover the filing fee is enclosed.
- ☒ The Commissioner is hereby authorized to charge payment of any additional filing fees required under 37 CFR § 1.16 and any patent application processing fees under 37 CFR § 1.17 associated with this communication or credit any overpayment to Deposit Account No. 23-1925. A duplicate copy of this sheet is enclosed.
- ☒ I hereby petition under 37 CFR § 1.136(a) for any extension of time required to ensure that this paper is timely filed. Please charge any associated fees which have not otherwise been paid to Deposit Account No. 23-1925. A duplicate copy of this sheet is enclosed.

Respectfully submitted,

  
G. Peter Nichols  
Registration No. 34,401  
Attorney for Applicant  
Customer No. 00757 - Brinks Hofer Gilson Lione

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I hereby certify that this correspondence is being deposited with the United States Postal Service as first class mail, with sufficient postage, in an envelope addressed to:  
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TC 1700

Jan. 7, 2004

Date of Deposit

G. Peter Nichols, Reg. No. 34,401

Name of Applicant, Assignee or  
Registered Representative

Signature

Jan. 7, 2004

Date of Signature

Our Case No.: 10225/21

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In re Application of:

Sabacky et al.

Serial No.: 10/053,177

Filing Date: November 2, 2001

For: PROCESS FOR MAKING NANO-  
SIZED STABILIZED ZIRCONIA

Examiner: Edward M. Johnson

Group Art Unit No.: 1754

**FIRST SUPPLEMENTAL INFORMATION DISCLOSURE STATEMENT**

Commissioner for Patents  
Alexandria, VA 22313-1450

Dear Sir:

In compliance with the duty of disclosure under 37 C.F.R. § 1.56, it is respectfully requested that this First Supplemental Information Disclosure Statement be entered and the documents listed below and on the attached Form PTO-1449 be considered by the Examiner and made of record. Copies of the listed documents required by 37 C.F.R. § 1.98(a)(2) are enclosed for the convenience of the Examiner.

The references now cited are the following:

RECEIVED

U.S. Patent References

JAN 14 2004

TC 1700

DOCUMENT NUMBER <small>Number-Kind Code (if known)</small>	DATE	NAME
4,639,356	01/1987	O'Toole et al.
5,660,774	08/1997	Stangle et al.

Foreign Patent References

DOCUMENT NUMBER <small>Number-Kind Code (if known)</small>	DATE	COUNTRY
EP 0 337 472 A	10/1989	Europe

Other Art References

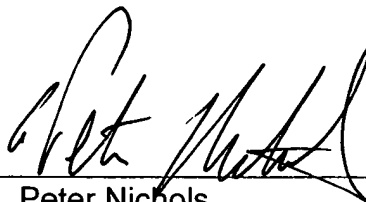
OTHER ART – NON PATENT LITERATURE DOCUMENTS <small>(Include name of author, title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date page(s), volume-issue number(s), publisher, city and/or country where published.</small>
Changrong, Xia et al., "Sol-gel synthesis of yttria stabilized zirconia membranes through controlled hydrolysis of zirconium alkoxide", <i>Journal of Membrane Science</i> , Elsevier Science, Amsterdam, NL, Vol. 162, No. 1-2, pp. 181-188, September 1, 1999.
Metelkina, Olga et al., "Effects of the post-synthesis treatment on the structural properties of alumina-doped zirconia", <i>Journal of Non-Crystalline Solids</i> , North-Holland Publishing Company, Amsterdam, NL, Vol. 285, No. 1-3, pp. 64-70, June, 2001.

In accordance with 37 C.F.R. § 1.97(g),(h), this First Supplemental Information Disclosure Statement is not to be construed as a representation that a search has been made and is not to be construed to be an admission that the information cited is, or is considered to be, material to patentability as defined in 37 C.F.R. § 1.56(b).

In accordance with 37 C.F.R. § 1.97(e)(1), Applicant(s) hereby certify that each item of the information disclosed in this First Supplemental Information Disclosure Statement was cited in a communication from a foreign patent office in a counterpart foreign application not more than three months prior to filing of the present statement, as evidenced by the date of the enclosed search report.

Applicant(s) respectfully request that the listed documents be made of record in the present case.

Respectfully submitted,

A handwritten signature in black ink, appearing to read "G. Peter Nichols", written over a horizontal line.

G. Peter Nichols  
Registration No. 34,401  
Attorney for Applicant(s)

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FORM PTO-1449	SERIAL NO. 10/053,177	CASE NO. 10225/21
LIST OF PATENTS AND PUBLICATIONS FOR APPLICANT'S INFORMATION DISCLOSURE STATEMENT	FILING DATE November 2, 2001	GROUP ART UNIT 1754
(use several sheets if necessary)	APPLICANT(S): Sabacky et al.	

JAN 14 2034

REFERENCE DESIGNATION	U.S. PATENT DOCUMENTS
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[illegible]

## FOREIGN PATENT DOCUMENTS

EXAMINER INITIAL		DOCUMENT NUMBER <small>Number-Kind Code (if known)</small>	DATE	COUNTRY	CLASS/ SUBCLASS	TRANSLATION YES OR NO
	B3	EP 0 337 472 A	10/1989	Europe		

### OTHER ART – NON PATENT LITERATURE DOCUMENTS

INITIAL	(Include name of author, title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date page(s), volume-issue number(s), publisher, city and/or country where published.	
	B4	Changrong, Xia et al., "Sol-gel synthesis of yttria stabilized zirconia membranes through controlled hydrolysis of zirconium alkoxide", <i>Journal of Membrane Science</i> , Elsevier Science, Amsterdam, NL, Vol. 162, No. 1-2, pp. 181-188, September 1, 1999.
	B5	Metelkina, Olga et al., "Effects of the post-synthesis treatment on the structural properties of alumina-doped zirconia", <i>Journal of Non-Crystalline Solids</i> , North-Holland Publishing Company, Amsterdam, NL, Vol. 285, No. 1-3, pp. 64-70, June, 2001.

EXAMINER	DATE CONSIDERED
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EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609; Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.